

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	1615	(silicon dioxide or TEOS) and (season\$5 or preseason\$5)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 08:03
L6	139	l5 and (silicon dioxide or TEOS) same (season \$5 or preseason\$5)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 08:03
L8	24	l6 and (clean\$5 with (two or 2 or multi\$4) adj3 step)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 08:53
L9	107	by-products with evacuat\$4 with purg\$4	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 09:21
L10	82	by-products with evacuat\$4 with purg\$4 and silicon \$2oxide	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 09:22
L11	932	electron temperature and antenna and (clean \$4 or etch\$4)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 09:31
L12	0	l11 and 2 ev	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 09:32
L13	545	l11 and ev	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 09:32
L14	63	electron temperature and antenna and chamber (clean\$4 or etch\$4)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 09:40
L20	838	134/1.1.ccls.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 10:53
L21	1478	134/22.1	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 10:53
L22	672	427/535.ccls.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 10:53
L23	477	427/237.ccls.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 10:53

L24	676	(L20 or L21 or L22 or L23) and (nitridation or nitrid\$6) and (oxid \$6)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 10:53
L25	5	((SHUUI CHI) near2 (SHIZUKA)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/21 11:15
L26	56	((MASARU) near2 (SASAKI)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/01/21 11:15
L27	9	((TETSURO) near2 (TAKAHASHI)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/01/21 11:15
L28	45	((KQJI) near2 (MAEKAWA)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/01/21 11:15
L29	427	I24 and chamber with (clean\$4 or etch\$4)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 11:18
L30	1132	(L20 or L21 or L22 or L23) and chamber with (clean\$4 or etch\$4)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 11:48
L31	250	I30 and ((oxygen or oxid\$4) with plasma and (nitrogen or nitri \$6) with plasma)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 11:49
L36	39	(I25 or I26 or I27 or I28) and (gas).clm.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 11:59
L37	13	(I25 or I26 or I27 or I28) and (oxidizing or nitridation).clm.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/21 11:59
S3	6	("20030127640"   "6984591"   "7070833").PN.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/08 15:16
S4	6376	(nitrid\$6 or oxid\$6) and (Pretreat\$4 or season\$5 or prepare) with (chamber or pedestal or target)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/08 15:18
S5	2879	S4 and plasma	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/08 15:19
S6	1702	S5 and (nitrid\$6 or oxid \$6) and (Pretreat\$4 or season\$5 or prepare) with (chamber or pedestal)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/08 15:19
S7	1697	S5 and (nitrid\$6 or oxid \$6) and (Pretreat\$4 or season\$5 or prepare) with (chamber)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/08 15:19

S8	487	S7 and (pretreat\$4 or season\$4) adj3 chamber	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/08 15:20
S9	9	BSG.ab. and applied. as.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:19
S10	25	BSG and TEOS and xia. in.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:22
S11	20	S10 and shallow trench	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:22
S12	20	S11 and plasma	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:27
S14	1	"5963840".pn. and plasma and (oxygen or "o.sub.2") and (nitrogen or "n.sub.2")	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:29
S15	6376	(nitrid\$6 or oxid\$6) and (Pretreat\$4 or season\$5 or prepare) with (chamber or pedestal or target)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:39
S16	2879	S15 and plasma	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:39
S17	1697	S16 and (nitrid\$6 or oxid\$6) and (Pretreat\$4 or season\$5 or prepare) with (chamber)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:39
S18	487	S17 and (pretreat\$4 or season\$4) adj3 chamber	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:39
S19	198	S18 and (nitriding process or oxidizing process or oxidation or nitridation)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:39
S20	317	RTO and RTN	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:39
S21	18	S20 and (pretreat\$4 or preclean\$4 or season\$4 or preseason\$4)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:40
S22	8688	(RTO or rapid thermal (oxidation or nitridation) or RTN)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:44

S23	12	S22 and chamber with (pretreat\$4 or preclean \$4 or season\$4 or preseason\$4)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:45
S24	4051	chamber with (pretreat \$4 or preclean\$4 or season\$4 or preseason \$4)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:48
S25	1765	S24 and plasma	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:48
S26	963	S25 and chamber with (pretreat\$4 or preclean \$4 or season\$4 or preseason\$4) same plasma	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:48
S27	767	S26 and (oxygen or "o. sub.2" or "n.sub.2" or nitrogen or nitridation or oxidat\$4 or oxidize)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:49
S28	308	S27 and chamber adj3 (pretreat\$4 or preclean \$4 or season\$4 or preseason\$4) same plasma	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 08:49
S29	1	"6984591".pn. and gate electrode	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/09 10:12
S32	23	("4717806"   "5000113"   "5016663"   "5068002"   "5110438"   "5117121"   "5158644"   "5207836"   "5221450"   "5272417"   "5508368").PN. OR ("5861086").URIPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 10:46
S33	22	S32 and (plasma or rf or oxygen or nitrogen)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 10:47
S34	65	("4134817"   "4713141"   "4838990"   "4915777"   "4923828").PN. OR ("5207836").URIPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 10:52
S35	20	S34 and two adj3 step	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 10:53

S36	3	"20040077511" or "20030192568"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 11:00
S37	5088	chamber adj3 (clean\$4 or preclean\$4 or treat\$5 or pretreat\$5) same plasma	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 11:11
S38	3807	S37 and chamber adj2 (clean\$4 or preclean\$4 or treat\$5 or pretreat\$5) same plasma	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 11:22
S39	1034	S38 and (oxidation or nitridation)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 11:23
S40	119	S39 and chamber adj2 (clean\$4 or preclean\$4 or treat\$5 or pretreat\$5) same plasma same (oxidation or nitridation)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 11:24
S42	2261	chamber adj3 (clean\$4 or preclean\$4 or treat\$5 or pretreat\$5 or etch\$3) same plasma and (oxygen or nitrogen or "o.sub.2" or "n.sub.2") adj2 plasma	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 12:01
S43	1701	S42 and chamber adj2 (clean\$4 or preclean\$4 or treat\$5 or pretreat\$5 or etch\$3) same plasma and (oxygen or nitrogen or "o.sub.2" or "n.sub.2") adj2 plasma	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 12:08
S44	1301	S42 and chamber adj2 (clean\$4 or preclean\$4 or treat\$5 or pretreat\$5 or etch\$3) same plasma and (oxygen or nitrogen or "o.sub.2" or "n.sub.2") plasma	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 12:14
S45	352	S42 and chamber adj2 (clean\$4 or preclean\$4 or treat\$5 or pretreat\$5 or etch\$3) same plasma same (oxygen or nitrogen or "o.sub.2" or "n.sub.2") plasma	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 12:14

S48	205	S42 and chamber adj2 (clean\$4 or preclean\$4 or treat\$5 or pretreat \$5 or etch\$3) same plasma and (oxygen or "o.sub.2") adj2 plasma and (nitrogen or "n.sub.2") adj2 plasma	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 12:22
S49	29	S44 and tokyo.as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/09 12:58
S54	837	134/1.1.ccls.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/16 14:30
S55	1477	134/22.1	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/16 14:30
S56	672	427/535.ccls.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/16 14:30
S57	477	427/237.ccls.	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/16 14:30
S58	771	(S54 or S55 or S56 or S57) and (nitridation or nitrid\$6)	US-PGPUB; USPAT; EPO; DERWENT	ADJ	ON	2009/01/16 14:30

1/21/2009 12:04:20 PM

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preclean for nitridation.wsp